## IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A glass substrate for a data storage medium, which consists essentially of: in terms of weight percent

SiO<sub>2</sub> 40 to 59 %,

 $Al_2O_3$  5 to 20 %,

 $B_2O_3$  0 to 8 %,

MgO 0 to 10 %,

CaO 0 to 12 %,

SrO 10.6 to 20 %,

BaO 0 to 2 %,

ZnO 0 to 4 %,

 $Li_2O$  0 to 2 %,

 $Na_2O$  0 to 10 %,

 $K_2O$  0 to 8 %,

 $TiO_2$  [[1]] 2 to 10 %, and

 $ZrO_2$  0 to 5 %,

wherein MgO + CaO + SrO + BaO is at least 15 %;

 $Al_2O_3 + TiO_2$  is at least 13 %;

TiO<sub>2</sub> + ZrO<sub>2</sub> is at least 2.3 %; and which has an average linear expansion coefficient of at least 70 x  $10^{-7}$ /° C within the range of 50 to 350° C, and wherein the glass has a glass transition temperature of at least 600°C, and wherein the number of attachments having sizes ranging from 1  $\mu$ m to less than 10  $\mu$ m present on the surface of the glass substrate held in a steam atmosphere at 120° C under 2 atm for 20 hours, is not more than 5 x  $10^4$ /cm<sup>2</sup>.

Application No. 09/870,496 Reply to Office Action of November 19, 2004

Claim 2 (Canceled).

Claim 3 (Previously Presented): The glass substrate according to Claim 1, wherein  $BaO + Li_2O + Na_2O + K_2O$  is at most 14 %.

Claim 4 (Canceled).

Claim 5 (Previously Presented): The glass substrate according to Claim 3, wherein Li<sub>2</sub>O + ZnO is at most 2 %.

Claim 6 (Previously Presented): The glass substrate according to Claim 1, wherein  $\text{Li}_2\text{O} + \text{ZnO}$  is at most 2 %.

Claims 7-8 (Canceled).

Claim 9 (Currently Amended): The glass substrate as defined in Claim 1, wherein the number of attachments having sizes of at least 10  $\mu$ m present on the surface of the glass substrate held in a steam atmosphere at 120° C under 2 atm for 20 hours, is not more than  $1/\text{cm}^2$ , and the number of attachments having sizes ranging from 1  $\mu$ m to less than 10  $\mu$ m so present, is not more than  $10^5/\text{cm}^2$ .

Claim 10 (Canceled).

Claim 11 (Currently Amended): The glass substrate as defined in Claim 3, wherein the number of attachments having sizes of at least 10 µm present on the surface of the glass

substrate held in a steam atmosphere at 120° C under 2 atm for 20 hours, is not more than 1/cm<sup>2</sup>, and the number of attachments having sizes ranging from 1 μm to less than 10 μm so

present, is not more than  $10^5$ /cm<sup>2</sup>.

Claim 12 (Canceled).

Claim 13 (Currently Amended): The glass substrate as defined in Claim 5, wherein

the number of attachments having sizes of at least 10 µm present on the surface of the glass

substrate held in a steam atmosphere at 120° C under 2 atm for 20 hours, is not more than

1/cm<sup>2</sup>, and the number of attachments having sizes ranging from 1 μm to less than 10 μm so

present, is not more than  $10^5$ /cm<sup>2</sup>.

Claim 14 (Currently Amended): The glass substrate as defined in Claim 6, wherein

the number of attachments having sizes of at least 10 µm present on the surface of the glass

substrate held in a steam atmosphere at 120° C under 2 atm for 20 hours, is not more than

1/cm<sup>2</sup>, and the number of attachments having sizes ranging from 1 μm to less than 10 μm so

present, is not more than 10<sup>5</sup>/cm<sup>2</sup>.

Claim 15 (Canceled).

Claim 16 (Previously Presented): The glass substrate according to Claim 1, wherein

CaO is substantially excluded from the components of the glass.

Claim 17 (Withdrawn): A magnetic disc, which comprises:

4

Application No. 09/870,496 Reply to Office Action of November 19, 2004

an undercoat layer, a magnetic layer and a protective layer formed on a glass substrate, which consists essentially of, in terms of weight percent:

wherein MgO + CaO + SrO + BaO is at least 15 %.

 $TiO_2$  0 to 10 %, and

 $ZrO_2$  0 to 5 %,

Claim 18 (Withdrawn): The glass substrate according to Claim 17, wherein  $Al_2O_3$ + $TiO_2$  is at least 11 %.

Claim 19 (Withdrawn): The glass substrate according to Claim 17, wherein BaO + Li<sub>2</sub>O + Na<sub>2</sub>O + K<sub>2</sub>O is at most 14 %.

Claim 20 (Withdrawn): The glass substrate according to Claim 17, wherein Li<sub>2</sub>O + ZnO is at most 2 %.

Claim 21 (Withdrawn): The glass substrate according to Claim 17, which has an average linear expansion coefficient of at least  $70 \times 10^{-7}$ /°C within a range of 50 to 350° C.

Claim 22 (Withdrawn): The glass substrate according to Claim 17, which has a glass transition temperature of at least 600° C.

Claim 23 (Withdrawn): A glass substrate made of the glass for a substrate as claimed in Claim 17, wherein the number of attachments having sizes of at least 10  $\mu$ m present on the surface of the glass substrate held in a steam atmosphere at 120° C under 2 atm for 20 hours, is not more than  $1/\text{cm}^2$ , and the number of attachments having sizes ranging from 1  $\mu$ m to less than 10  $\mu$ m so present, is not more than  $10^5/\text{cm}^2$ .

Claims 24-25 (Canceled).

Claim 26 (Previously Presented): The glass substrate according to Claim 1, wherein  $Al_2O_3 + TiO_2$  is at least 15 %.

Claim 27 (Previously Presented): The glass substrate according to Claim 26, wherein  $Al_2O_3 + TiO_2$  is at least 16 %.

Claim 28 (New): The glass substrate according to Claim 1, wherein the number of attachments having sizes ranging from 1 µm to less than 10 µm present on the surface of the

Application No. 09/870,496 Reply to Office Action of November 19, 2004

glass substrate held in a steam atmosphere at 120° C under 2 atm for 20 hours, is not more than  $3 \times 10^4/\text{cm}^2$ .

## **DISCUSSION OF THE AMENDMENT**

Claim 1 has been amended to recite, in effect, an N<sub>S</sub> maximum of 5 x 10<sup>4</sup>/cm<sup>2</sup>, as supported by Example 5. See the specification at page 14, lines 19-20 and Table 1 at page 17. Remaining amendments have been made to be consistent with the amendment to Claim 1. New Claim 28 has been added, as supported by Examples 1, 2 or 14.

No new matter is believed to have been added by the above amendment. Claims 1, 3, 5-6, 9, 11, 13, 14, 16, and 26-28 are now active in the application; Claims 17-23 stand withdrawn from consideration.

8